

**To:** Dave Larsen[dlarsen@reiengineering.com]; Saari, Christopher A - DNR[Christopher.Saari@wisconsin.gov]; Ken Lassa[klassa@reiengineering.com]  
**Cc:** Kamke, Sherry[Kamke.Sherry@epa.gov]; lwawronowicz@ldftribe.com[lwawronowicz@ldftribe.com]; Dee.allen@ldftribe.com[Dee.allen@ldftribe.com]; Robinson, John H - DNR[John.Robinson@wisconsin.gov]; Fassbender, Judy L - DNR[Judy.Fassbender@wisconsin.gov]  
**From:** Egan, Robert  
**Sent:** Thur 5/12/2016 12:30:27 PM  
**Subject:** RE: Planned Groundwater Sampling Work

Hi Dave,

Sorry for the late response. I've been out of the office.

There is a partially filled barrel at the site which contains mostly soil and some water, I believe, both related to our last sampling activity.

I do not have a funded task order at this time which could pay for the removal, as the current contract period ended last month. A new contract period has begun and I have a draft task order at HQ for funding which will include the disposal.

I will be more proactive in the future regarding removal of investigative waste in a timely manner.

Thank you for the hotel information. I had heard earlier from Kristen that the owner planned to do some rehab work before reopening this month. It could be related to that but I am not sure.

Please let me know if you have any further questions.

Regards,

Bob

Bob Egan

Corrective Action Manager

Underground Storage Tanks Section

RCRA Branch

EPA Region 5

(312) 886-6212

(312) 692-2911 (fax)

**From:** Dave Larsen [mailto:dlarsen@reiengineering.com]

**Sent:** Monday, May 09, 2016 9:46 AM

**To:** Egan, Robert <egan.robert@epa.gov>; Saari, Christopher A - DNR  
<Christopher.Saari@wisconsin.gov>; Ken Lassa <klassa@reiengineering.com>

**Cc:** Kamke, Sherry <Kamke.Sherry@epa.gov>; lwawronowicz@ldftribe.com;  
Dee.allen@ldftribe.com; Robinson, John H - DNR <John.Robinson@wisconsin.gov>;  
Fassbender, Judy L - DNR <Judy.Fassbender@wisconsin.gov>

**Subject:** RE: Planned Groundwater Sampling Work

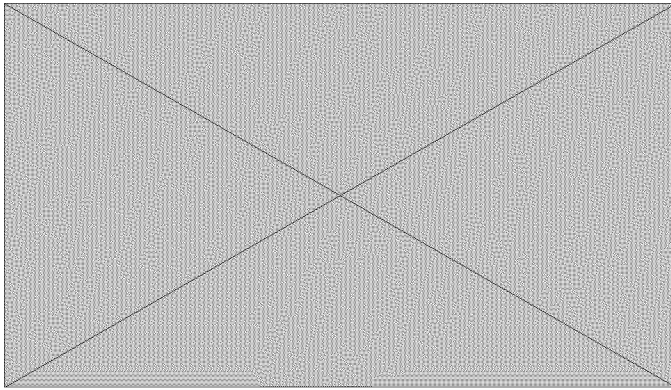
Hello Bob, I just got off the phone with Linda Kozak and she informed me that the drum is still on site and was wondering when she could expect it to be removed.




I was also informed that the Motel is again operational, but there seems to be a new group of people managing the daily operations.

Thank you,

David N. Larsen P.G

Hydrogeologist / Professional Geologist



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**From:** Egan, Robert [<mailto:egan.robert@epa.gov>]

**Sent:** Monday, April 18, 2016 11:29 AM

**To:** Dave Larsen <[dlarsen@reiengineering.com](mailto:dlarsen@reiengineering.com)>; Saari, Christopher A - DNR <[Christopher.Saari@wisconsin.gov](mailto:Christopher.Saari@wisconsin.gov)>; Ken Lassa <[klassa@reiengineering.com](mailto:klassa@reiengineering.com)>

**Cc:** Kamke, Sherry <[Kamke.Sherry@epa.gov](mailto:Kamke.Sherry@epa.gov)>; [lwawronowicz@ldftribe.com](mailto:lwawronowicz@ldftribe.com); [Dee.allen@ldftribe.com](mailto:Dee.allen@ldftribe.com); Robinson, John H - DNR <[John.Robinson@wisconsin.gov](mailto:John.Robinson@wisconsin.gov)>; Fassbender, Judy L - DNR <[Judy.Fassbender@wisconsin.gov](mailto:Judy.Fassbender@wisconsin.gov)>

**Subject:** RE: Planned Groundwater Sampling Work

Dave,

Yes, the drum is investigation waste. I believe that it is partially filled, mostly with soil. Contact information was written on top of the drum by Bristol.

Bob Egan

Corrective Action Manager

Underground Storage Tanks Section

RCRA Branch

EPA Region 5

(312) 886-6212

(312) 692-2911 (fax)

**From:** Dave Larsen [<mailto:dlarsen@reiengineering.com>]

**Sent:** Monday, April 18, 2016 11:26 AM

**To:** Saari, Christopher A - DNR <[Christopher.Saari@wisconsin.gov](mailto:Christopher.Saari@wisconsin.gov)>; Ken Lassa <[klassa@reiengineering.com](mailto:klassa@reiengineering.com)>

**Cc:** Egan, Robert <[egan.robert@epa.gov](mailto:egan.robert@epa.gov)>; Kamke, Sherry <[Kamke.Sherry@epa.gov](mailto:Kamke.Sherry@epa.gov)>; lwawronowicz@ldftribe.com; [Dee.allen@ldftribe.com](mailto:Dee.allen@ldftribe.com); Robinson, John H - DNR <[John.Robinson@wisconsin.gov](mailto:John.Robinson@wisconsin.gov)>; Fassbender, Judy L - DNR <[Judy.Fassbender@wisconsin.gov](mailto:Judy.Fassbender@wisconsin.gov)>

**Subject:** RE: Planned Groundwater Sampling Work

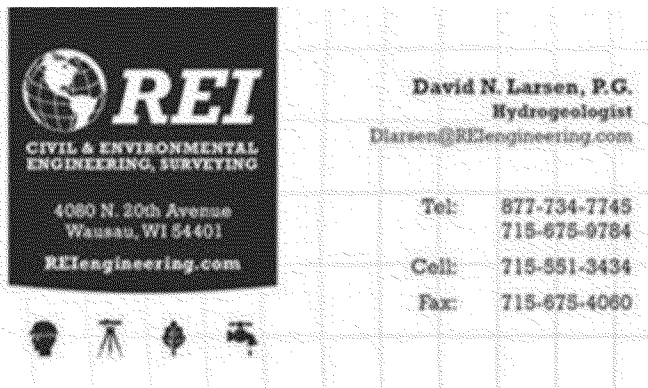
Chris, for right now REI will be focusing on completing the second round of well sampling only. I currently have quite a few other demands on my time. We are scheduling the work for next Tuesday or Wednesday (April 26-27) and will follow up with any changes in the proposed schedule.




I did just get off the phone with the Kozaks and was informed of a drum left on their property under the pine tree. Does anyone know what this was from? Could this be investigative waste left behind during the EPA sampling?

Thank you,

David N. Larsen P.G

Hydrogeologist / Professional Geologist



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**From:** Saari, Christopher A - DNR [<mailto:Christopher.Saari@wisconsin.gov>]  
**Sent:** Monday, April 18, 2016 11:12 AM  
**To:** Hanson, Kristen <[KHanson@ldftribe.com](mailto:KHanson@ldftribe.com)>; Dave Larsen <[dlarsen@reiengineering.com](mailto:dlarsen@reiengineering.com)>  
**Cc:** [egan.robert@epa.gov](mailto:egan.robert@epa.gov); [kamke.sherry@epa.gov](mailto:kamke.sherry@epa.gov); Wawronowicz, Larry <[lwawronowicz@ldftribe.com](mailto:lwawronowicz@ldftribe.com)>; Allen, Dee <[dee.allen@ldftribe.com](mailto:dee.allen@ldftribe.com)>; Robinson, John H - DNR <[John.Robinson@wisconsin.gov](mailto:John.Robinson@wisconsin.gov)>; Fassbender, Judy L - DNR <[Judy.Fassbender@wisconsin.gov](mailto:Judy.Fassbender@wisconsin.gov)>  
**Subject:** RE: Planned Groundwater Sampling Work

Dave, DNR is OK with the proposed groundwater sampling event.

To follow up on Kristen's comments below, do you have an idea of when you might submit the revised hydraulic conductivity proposal? If I receive a cost request soon enough, I could try to turn an approval around in time for you to perhaps perform both the sampling and slug testing during the same week.

**We are committed to service excellence.**

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Chris Saari

Phone: (715) 685-2920

[Christopher.Saari@Wi.gov](mailto:Christopher.Saari@Wi.gov)

**From:** Hanson, Kristen [<mailto:KHanson@ldftribe.com>]

**Sent:** Friday, April 15, 2016 4:37 PM

**To:** Dave Larsen

**Cc:** [egan.robert@epa.gov](mailto:egan.robert@epa.gov); Saari, Christopher A - DNR; [kamke.sherry@epa.gov](mailto:kamke.sherry@epa.gov); Wawronowicz, Larry; Allen, Dee

**Subject:** RE: Planned Groundwater Sampling Work

Good Afternoon Dave,

If the SOW is the same as what was provided on your October 26<sup>th</sup> proposal, the attached October 30<sup>th</sup> Conditional Approval letter applies to this work with the additional conditions EPA included in their January 4<sup>th</sup> letter to Bill and Linda.

During the timeframe you have proposed (the week of April 25<sup>th</sup>), staff is available the April 27<sup>th</sup> - 30<sup>th</sup>. You will need to provide notice of the date and time work is planned.

At your request, comments were provided on the proposed hydraulic conductivity work on March 21<sup>st</sup> (included below). Once the SOW is finalized and submitted to the TNR for review, the TNR can take action to approve planned work.

**Kristen Hanson**

Environmental Specialist

Tribal Natural Resource Department

Lac du Flambeau Band of Lake Superior Chippewa Indians

*Phone: (715)588-4290*

*Cell: (715)614-4644*



**From:** Dave Larsen [<mailto:dlarsen@reiengineering.com>]

**Sent:** Friday, April 15, 2016 2:59 PM

**To:** Hanson, Kristen

**Cc:** [egan.robert@epa.gov](mailto:egan.robert@epa.gov); Saari, Christopher A - DNR ([Christopher.Saari@Wisconsin.gov](mailto:Christopher.Saari@Wisconsin.gov)); [kamke.sherry@epa.gov](mailto:kamke.sherry@epa.gov); Wawronowicz, Larry; Allen, Dee

**Subject:** Re: Planned Groundwater Sampling Work

No conductivity testing at this time. The only approved work I have is the second round of well sampling.

Sent from my I-Phone

Thanks,

David Larsen, P.G.

Hydrogeologist/Project Manager

Office: 715.675.9784

Cell: 715.551-3434

[www.reiengineering.com](http://www.reiengineering.com)

On Apr 15, 2016, at 2:08 PM, Hanson, Kristen <[KHanson@ldftribe.com](mailto:KHanson@ldftribe.com)> wrote:

Good Afternoon Dave,

- 1) Is the Scope of Work for the Well Sampling the Same as was Described in your October 26<sup>th</sup> Well Installation Proposal?
- 2) Are you planning on Completing Hydraulic Conductivity Testing during this time?

***Kristen Hanson***

Environmental Specialist

Tribal Natural Resource Department

Lac du Flambeau Band of Lake Superior Chippewa Indians

Phone: (715)588-4290

Cell: (715)614-4644

<image009.jpg>



**From:** Dave Larsen [<mailto:dlarsen@reiengineering.com>]

**Sent:** Friday, April 15, 2016 8:45 AM

**To:** [egan.robert@epa.gov](mailto:egan.robert@epa.gov); Hanson, Kristen; Saari, Christopher A - DNR

([Christopher.Saari@Wisconsin.gov](mailto:Christopher.Saari@Wisconsin.gov)); Robinson, John H - DNR ([John.Robinson@wisconsin.gov](mailto:John.Robinson@wisconsin.gov));

Fassbender, Judy L - DNR ([Judy.Fassbender@wisconsin.gov](mailto:Judy.Fassbender@wisconsin.gov)); [kamke.sherry@epa.gov](mailto:kamke.sherry@epa.gov); Ken Lassa

**Subject:** Tower Standard

Hello All, just wanting to again attempt to complete the second approved round of groundwater sampling at Tower Standard. REI would like to attempt to complete the work the week of April 25 to allow the results to be discussed in the May technical meeting. If we can't complete the work the week of the 25<sup>th</sup>, we will be shooting for the first week of April. As we get closer to the 25<sup>th</sup>, I will follow up with all parties in an attempt to confirm a date and time to complete the fieldwork.

If anyone has any issues with this schedule, please notify me at your earliest convenience.

Thank you,

David N. Larsen P.G

Hydrogeologist / Professional Geologist

<image010.jpg>

Connect with us : <image011.png> <image012.png> <image013.png>

*Confidentiality Notice: This message is intended for the recipient only. If you have received this e-mail in error please disregard.*

**From:** Hanson, Kristen  
**Sent:** Monday, March 21, 2016 8:13 AM  
**To:** Dave Larsen; [Christopher.Saari@wisconsin.gov](mailto:Christopher.Saari@wisconsin.gov)  
**Cc:** [egan.robert@epa.gov](mailto:egan.robert@epa.gov)  
**Subject:** FW: Tower Standard - Hydraulic Conductivity Cost Estimate

Dave,

Before new work is approved, you will need to have met the conditions of previous work and submit a Workplan for new work. You will also need to meet the submittal and notifications requirements described in EPA's January 4<sup>th</sup> letter (attached).

I understand that you are developing a Workplan for additional work and are requesting comments in advance of your submittal: The SOW you are requesting comment on is:

***Variance Portion:***

- *Complete Hc calculations at all 17 wells (assume 2 hours per test)*
- *Data interpretation: download well specific data and conduct Hc calculation. Data to be presented will include copy of data download graph and conductivity calculation*
- *Datalogger charge: We will be using InSitu Level Troll 500 loggers. The loggers will be atmospherically vented and will automatically compensate for barometric pressure fluctuations. We will also use a water level indicator to collect manual measurements to ensure data is calibrated.*

*I would like to discuss preferred methods with you. Typically we run slug tests (introduce stainless slug and allow water levels to stabilize and pull the slug and measure recovery). Some of the wells probably will recover too soon for this method and I want to make sure LDF/EPA are on board with our methods.*

Comments:

- 1) Remove the three up gradient Tribal Wells from hydraulic conductivity testing (MW-

1, MW-2, MW-3).

2) The value of these slug tests for hydraulic conductivity estimates depend on your documentation and submittal. Data measurements should be included in your submitted results.

***Kristen Hanson***

Environmental Specialist

Tribal Natural Resource Department

Lac du Flambeau Band of Lake Superior Chippewa Indians

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